

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	7	((GANTETSU) near2 (MATSUI)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/26 19:54
S2	11	((GANTETSU) near2 (MATSUI)).INV.	EPO; JPO; DERWENT	OR	ON	2009/06/26 19:54
S3	27	((TOSHIYA) near2 (NAKA)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/26 19:54
S4	81	((TOSHIYA) near2 (NAKA)).INV.	EPO; JPO; DERWENT	OR	ON	2009/06/26 19:54
S5	26	((YOSHIHIRO) near2 (KOJIMA)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/26 19:54
S6	162	((YOSHIHIRO) near2 (KOJIMA)).INV.	EPO; JPO; DERWENT	OR	ON	2009/06/26 19:54
S7	19	((NORIFUMI) near2 (SATA)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/26 19:55
S8	4	((NORIFUMI) near2 (SATA)).INV.	EPO; JPO; DERWENT	OR	ON	2009/06/26 19:55
S9	113	((TAMOTSU) near2 (YAMAMOTO)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/26 19:55
S10	481	((TAMOTSU) near2 (YAMAMOTO)).INV.	EPO; JPO; DERWENT	OR	ON	2009/06/26 19:55
S12	15	((SHUHEI) near2 (TAGUCHI)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/26 19:56
S13	19	((SHUHEI) near2 (TAGUCHI)).INV.	EPO; JPO; DERWENT	OR	ON	2009/06/26 19:56
S14	5	((MASAYUKI) near2 (MUKAI)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/26 19:56
S15	77	((MASAYUKI) near2 (MUKAI)).INV.	EPO; JPO; DERWENT	OR	ON	2009/06/26 19:57
S16	1	((TETSUO) near2 (OOYAMA)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/26 19:57
S17	8	((TETSUO) near2 (OOYAMA)).INV.	EPO; JPO; DERWENT	OR	ON	2009/06/26 19:57
S18	25	((HIROSHI) near2 (YASUNO)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/26 19:57
S19	142	((HIROSHI) near2 (YASUNO)).INV.	EPO; JPO; DERWENT	OR	ON	2009/06/26 19:58

S20	9	("20030095156"   "20030103088"   "20040067778"   "5552806"   "5898435"   "5956025"   "6266098"   "6788241").PN. OR ("7271734").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/27 16:49
S21	13	("20030085793"   "20080062670"   "3886012"   "4375585"   "4619258"   "4931794"   "5598082"   "6323449"   "6359242"   "6794982"   "6924789"   "6995324"   "7070349").PN. OR ("7465896").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/27 17:00
S22	8	("20050093824"   "5563631"   "5615384"   "6556222"   "6774890"   "7039866").PN. OR ("7274354").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/27 17:01
S23	10	("4088855"   "5689285"   "6069552"   "6087925"   "6437682").PN. OR ("6794982").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/27 17:04
S24	1	"6062749".pn.	US-PGPUB; USPAT	OR	ON	2009/06/27 17:33
S25	5	("5912612"   "6259436"   "6437682"   "6653579"   "6794982").PN. OR ("7161583").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/27 17:39
S26	30	("4385291"   "6414907"   "6443614").PN. OR ("6556222").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/27 17:41
S27	13	("5536911"   "5689285"   "6348664"   "6359243"   "6437682"   "6567074"   "6580039"   "6750408"   "6791037"   "6794982"   "6831238"   "6841743").PN. OR ("7078633").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/27 17:42

S28	75	("20020000978"   "20020149566"   "20020191029"   "20030048262"   "20030076301"   "20030076303"   "20030076306"   "20030095096"   "20030164818"   "20030210288"   "20040021694"   "20040055446"   "20040104898"   "20050156898"   "3234512"   "3478220"   "4103252" "4110749"   "4177421"   "4246452" "4264903"   "4386346"   "4550221" "4571149"   "4595913"   "4736191" "4777328"   "4951036"   "5159159" "5305017"   "5438331"   "5453761" "5472116"   "5485171"   "5508703" "5518078"   "5543591"   "5546106" "5565658"   "5736865"   "5748185" "5781178"   "5808602"   "5825352" "5844506"   "5861875"   "5903229" "5907472"   "5914465"   "5933102" "5941122"   "5943052"   "6057826" "6067075"   "6088023"   "6137427" "6163312"   "6259432"   "6262717" "6266050"   "6300939"   "6473069" "6556222"   "6570557"   "6639584" "6744427"   "6771280"   "6781576" "6788288"   "7233316"   "D457149" "D469109"   "D472245").PN. OR ("7466307").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/27 17:45
-----	----	--	---------------------------	----	----	---------------------

S29	18	("20020003469"   "20020101441"   "20020101458"   "5542088"   "5627567"   "5764794"   "5798760"   "5933141"   "6031525"   "6072475"   "6104400"   "6181344"   "6320496"   "6441753"   "6473069"   "6538635"   "6538663"   "6556222").PN. OR ("7461355").URPN.	US-PGPUB; USPAT; USOOR	OR	ON	2009/06/27 17:46
S30	8	("3723675"   "5327161"   "5625606"   "5871406"   "6181339"   "6392963"   "6556222"   "7181701").PN. OR ("7404146").URPN.	US-PGPUB; USPAT; USOOR	OR	ON	2009/06/27 17:48
S31	20	("20000003469"   "20020101458"   "5627567"   "5764794"   "5798760"   "5933141"   "6031525"   "6072475"   "6104400"   "6181344"   "6320496"   "6441753"   "6473069"   "6538635"   "6538663"   "6556222").PN. OR ("7215321").URPN.	US-PGPUB; USPAT; USOOR	OR	ON	2009/06/27 17:49
S32	9	("5444671"   "5754645"   "5841849"   "5982710"   "6224254"   "6535461"   "6556222"   "6766182").PN. OR ("6968508").URPN.	US-PGPUB; USPAT; USOOR	OR	ON	2009/06/27 17:51
S33	17	("20020003469"   "20020101458"   "5627567"   "5764794"   "5798760"   "5933141"   "6031525"   "6072475"   "6104400"   "6181344"   "6320496"   "6441753"   "6473069"   "6538635"   "6538663"   "6556222").PN. OR ("6967642").URPN.	US-PGPUB; USPAT; USOOR	OR	ON	2009/06/27 17:52

S34	17	("20020003469"   "20020101441"   "5627567"   "5764794"   "5798760"   "5933141"   "6031525"   "6072475"   "6104400"   "6181344"   "6320496" "6441753"   "6448987"   "6473069" "6538635"   "6538663"   "6556222").PN. OR ("6925611").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/27 17:52
S35	53	("5295243"   "5485197"   "5515486"   "5664132"   "5706448"   "5745109"   "5790820"   "5805154"   "5828360"   "5894589" "5898435"   "5940076"   "5973666"   "5977975"   "6005578"   "6144378").PN. OR ("6448987").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/27 17:54
S36	4	("6232959"   "6330009").PN. OR ("6771280").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/27 18:00
S37	32	("4616224"   "4712101"   "4799049"   "4823634"   "4896554"   "4928093"   "4982618"   "5086510"   "5138329"   "5168982"   "5319803"   "5481265"   "5585785"   "5666138"   "5850213"   "6025832").PN. OR ("6300939").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/27 18:02
S38	3	"6794982".pn. "5903229".pn. "20010048422".pn.	US-PGPUB; USPAT	OR	ON	2009/07/10 13:44
S39	4664	345/156.ccls.	US-PGPUB; USPAT	OR	ON	2009/07/10 14:16
S40	530	345/184.ccls.	US-PGPUB; USPAT	OR	ON	2009/07/10 14:16
S41	1558383	(rotate or rotating or rotational)	US-PGPUB; USPAT	OR	ON	2009/07/10 14:16
S42	1909	S39 and S41	US-PGPUB; USPAT	OR	ON	2009/07/10 14:16

S43	10	("20040189595"   "4636963"   "5952628"   "6184480"   "6707387"   "7038667").PN. OR ("7310084").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/10 15:37
S44	5	("5883346"   "6411934"   "6636197"   "7019731").PN. OR ("7248252").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/10 15:38
S45	54	("20010034218"   "20020072674"   "20030043206"   "20040076444"   "3157853"   "3220121"   "3497668"   "3517446"   "3902687"   "3903614"   "4160508"   "4236325"   "4513235"   "4581491"   "4599070"   "4708656"   "4713007"   "4891764"   "4930770"   "4934694"   "5019761"   "5022407"   "5035242"   "5038089"   "5078152"   "5186695"   "5212473"   "5240417"   "5271290"   "5275174"   "5299810"   "5309140"   "5334027"   "5466213"   "5547382"   "5766016"   "5785630"   "5986638"   "6028600"   "6034688"   "6111577"   "6219034"   "6348772"   "6404420"   "6422941"   "6468212"   "6483500"   "6614456").PN. OR ("7116317").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/10 15:42
S46	3	("20020071206"   "6903903").PN. OR ("7061720").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/10 15:44

S47	75	("20010043047"   "20010052694"   "20020033321"   "20020054060"   "20020057150"   "20020091473"   "20020116156"   "20020120371"   "20020120374"   "20040102881"   "4394555"   "4464933"   "4503528"   "4518836"   "4578592"   "4608550"   "4616224"   "4628310"   "4635029"   "4684918"   "4698838"   "4792783"   "5085461"   "5403981"   "5438314"   "5469338"   "5542694"   "5569893"   "5666102"   "5721541"   "5739491"   "5756950"   "5767466"   "5823666"   "5833025"   "5855144"   "5872511"   "5955944"   "6034600"   "6040542"   "6144297"   "6225578"   "6240347"   "6253131"   "6349616"   "6360149"   "6373472"   "6389332"   "6411934"   "6418362"   "6424337"   "6571154"   "6703999"   "D276038"   "D342474"   "D346997"   "D347612"   "D406805"   "D410606"   "D418786"   "D419507"   "D421945"   "D424000"   "D424488"   "D438151"   "D440914"   "D454101"   "D460031").PN. OR ("6961644").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/10 15:48
-----	----	---	---------------------------	----	----	---------------------

S48	17	("20020122031"   "20020171627"   "20030095096"   "20040257339"   "5774075"   "5936613"   "6331850"   "6411275"   "6480185"   "6563434"   "6577928"   "6636197"   "6650314"   "6681111"   "6686911").PN. OR ("6961052").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/10 15:48
S49	6	("5589893"   "5900867"   "6285357"   "6480188"   "6543052"   "6597374").PN. OR ("6847357").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/10 15:51
S50	10	("20020080115"   "5187630"   "5252821"   "5790101"   "6128006"   "6158136").PN. OR ("6756967").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/10 15:54
S51	19	("5856827"   "5963195"   "6037937"   "6049336"   "6178338"   "6188406"   "6192258"   "6208342"   "6226534"   "6297795"   "6392964"   "6483500"   "6512449").PN. OR ("6710771").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/10 16:00
S52	15	("5515345"   "5796927"   "5828813"   "5945646"   "5952730"   "6154201"   "6184868"   "6246129").PN. OR ("6593667").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/10 16:02
S53	174	("3919691"   "4050265"   "4131033"   "4477043"   "4560983"   "4706294"   "4712101"   "4782327"   "4795296"   "4800721"   "4823634"   "4868549"   "4935728"   "4943866"   "4964004"   "4979050"   "4983901"   "5007300"   "5044956"	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/10 16:12



"5095303" | "5107080"  
| "5138154" |  
"5139261" | "5146566"  
| "5185561" |  
"5186629" | "5189355"  
| "5193963" |  
"5204600" | "5220260"  
| "5223776" |  
"5235868" | "5254919"  
| "5280276" |  
"5296846" | "5296871"  
| "5313230" |  
"5317336" | "5355148"  
| "5374942" |  
"5381080" | "5389865"  
| "5396266" |  
"5398044" | "5405152"  
| "5414337" |  
"5457479" | "5473344"  
| "5477237" |  
"5491477" | "5513100"  
| "5530455" |  
"5541379" | "5542672"  
| "5543821" |  
"5576727" | "5589828"  
| "5589854" |  
"5591082" | "5623582"  
| "5625576" |  
"5627531" | "5642469"  
| "5643087" |  
"5656901" | "5666138"  
| "5666473" |  
"5691747" | "5691898"  
| "5709219" |  
"5712725" | "5714978"  
| "5721566" |  
"5724068" | "5724106"  
| "5734373" |  
"5736978" | "5742278"  
| "5745057" |  
"5749577" | "5754023"  
| "5755577" |  
"5760764" | "5767839"  
| "5781172" |  
"5787152" | "5790108"  
| "5805140" |  
"5808568" | "5808603"  
| "5823876" |  
"5825308" | "5831408"  
| "5841428" |  
"5889506" | "5889670"  
| "5889672" |  
"5912661" | "5944151"  
| "5959613" |  
"5990869").PN. OR  
("6154201").URPN.

S54	6	"7499040".pn. "7495659".pn. "7345671".pn. "7312785".pn. "7046230".pn. "4839805".pn.	US-PGPUB; USPAT	OR	ON	2009/07/30 16:51
S55	321	("1061578"   "20010011991"   "20010043545"   "20010050673"   "20010051046"   "20020027547"   "20020030665"   "20020033848"   "20020045960"   "20020071550"   "20020089545"   "20020118131"   "20020118169"   "20020154090"   "20020158844"   "20020164156"   "20020180701"   "20030002246"   "20030025679"   "20030028346"   "20030043121"   "20030043174"   "20030050092"   "20030076301"   "20030076303"   "20030076306"   "20030091377"   "20030095095"   "20030095096"   "20030098851"   "20030184517"   "20030206202"   "20040156192"   "20040215986"   "20040224638"   "20040239622"   "20040252109"   "20040253989"   "20040263388"   "20040267874"   "20050030048"   "20050052425"   "20050204309"   "20060026521"   "20060097991"   "20060181517"   "20060197750"   "20060232557"   "20060250377"   "20060274905"	US-PGPUB; USPAT; USOOR	OR	ON	2009/07/30 16:53

"20070013671" |  
"20070052044" |  
"20070052691" |  
"20070080936" |  
"20070080938" |  
"20070083822" |  
"20070085841" |  
"20070152975" |  
"20070152977" |  
"20070152983" |  
"20070242057" |  
"20070273671" |  
"20070276525" |  
"20070279394" |  
"20080006453" |  
"20080006454" |  
"20080007533" |  
"20080007539" |  
"20080012837" |  
"20080018615" |  
"20080018616" |  
"20080018617" |  
"20080036734" |  
"20080087476" |  
"20080088582" |  
"20080088596" |  
"20080088597" |  
"20080088600" |  
"20080111795" |  
"2798907" | "2903229"  
| "2945111" |  
"3005055" | "3965399"  
| "4103252" |  
"4110749" | "4115670"  
| "4121204" |  
"4129747" | "4158216"  
| "4242676" |  
"4246452" | "4264903"  
| "4293734" |  
"4380007" | "4380040"  
| "4475008" |  
"4570149" |  
"4587378").PN. OR  
("4644100" |  
"4719524" | "4734034"  
| "4736191" |  
"4739191" | "4739299"  
| "4752655" |  
"4755765" | "4764717"  
| "4798919" |  
"4810992" | "4831359"  
| "4849852" |  
"4856993" | "4866602"  
| "4876524" |  
"4897511" | "4914624"  
| "4917516" |  
"4951036" | "4976435"

"4990900"	
"5008497"	"5036321"
"5053757"	
"5125077"	"5159159"
"5179648"	
"5186646"	"5192082"
"5231326"	
"5237311"	"5278362"
"5305017"	
"5313027"	"5339213"
"5367199"	
"5374787"	"5404152"
"5408621"	
"5414445"	"5416498"
"5424756"	
"5432531"	"5438331"
"5450075"	
"5453761"	"5473343"
"5473344"	
"5479192"	"5495566"
"5508703"	
"5543588"	"5555004"
"5559301"	
"5559943"	"5561445"
"5564112"	
"5565887"	"5578817"
"5581670"	
"5585823"	"5589893"
"5596347"	
"5598183"	"5611040"
"5611060"	
"5613137"	"5617114"
"5627531"	
"5632679"	"5640258"
"5657012"	
"5661632"	"5689285"
"5726687"	
"5729219"	"5730165"
"5748185"	
"5751274"	"5754890"
"5777605"	
"5786818"	"5790769"
"5805144"	
"5808602"	"5812498"
"5825353"	
"5828364"	"5838304"
"5841423"	
"5850213"	"5856822"
"5859629"	
"5875311"	"5883619"
"5889236"	
"5889511"	"5894117"
"5903229"	
"5907152"	"5907318"
"5909211"	
"5914706"	"5923388"
"5943044"	

"5956019" | "5959611"  
| "5964661" |  
"5973668" | "6000000"  
| "6002389" |  
"6005299" | "6025832"  
| "6031518" |  
"6034672" | "6057829"  
| "6075533" |  
"6084574" | "6097372"  
| "6122526" |  
"6124587" | "6128006"  
| "6163312" |  
"6166721").PN. OR  
("6179496" |  
"6181322" | "6188393"  
| "6191774" |  
"6198054" | "6198473"  
| "6211861" |  
"6219038" | "6225976"  
| "6225980" |  
"6226534" | "6227966"  
| "6243078" |  
"6243080" | "6248017"  
| "6254477" |  
"6256011" | "6262717"  
| "6262785" |  
"6266050" | "6297795"  
| "6297811" |  
"6314483" | "6323845"  
| "6340800" |  
"6357887" | "6373470"  
| "6377530" |  
"6396523" | "6424338"  
| "6429846" |  
"6429852" | "6473069"  
| "6492979" |  
"6496181" | "6497412"  
| "6587091" |  
"6606244" | "6636197"  
| "6639584" |  
"6640250" | "6650975"  
| "6664951" |  
"6677927" | "6686904"  
| "6703550" |  
"6724817" | "6727889"  
| "6738045" |  
"6750803" | "6781576"  
| "6788288" |  
"6791533" | "6795057"  
| "6844872" |  
"6886842" | "6894916"  
| "6922189" |  
"6930494" | "6977808"  
| "6978127" |  
"7006077" | "7046230"  
| "7069044" |  
"7084856" | "7113196"

		"7113520"   "7119792"   "7215319" "7233318"   "7236154"   "D264969" "D349280"   "D362431"   "D382550" "D385542"   "D402281"   "D412940" "D430169"   "D437860"   "D442592" "D443616"   "D448810"   "D450713" "D452250"   "D454568"   "D455793" "D468365"   "D469109"   "D472245" "D483809"   "D489731").PN. OR ("7499040").URPN.				
SS6	273	("20010011991"   "20010043545"   "20010050673"   "20010051046"   "20020030665"   "20020033848"   "20020089545"   "20020118169"   "20020154090"   "20020158844"   "20020164156"   "20020180701"   "20030043121"   "20030050092"   "20030076301"   "20030076303"   "20030095096"   "20030098851"   "20040239622"   "20040252109"   "4110749"   "4264903" "4719524"   "4736191"   "4866602" "4917516"   "5125077"   "5179648" "5186646"   "5237311"   "5339213" "5404152"   "5414445"   "5438331" "5473343"   "5473344"   "5495566" "5559943"   "5561445"   "5565887" "5578817"   "5585823"   "5596347" "5598183"   "5611040"   "5611060" "5726687"	US-PGPUB; USPAT; USOOR	OR	ON	2009/07/30 17:07

"5729219" | "5730165"  
| "5748185" |  
"5751274" | "5754890"  
| "5786818" |  
"5808602" | "5825353"  
| "5828364" |  
"5838304" | "5850213"  
| "5856822" |  
"5883619" | "5889236"  
| "5903229" |  
"5907152" | "5907318"  
| "5909211" |  
"5914706" | "5956019"  
| "5959611" |  
"6002389" | "6005299"  
| "6031518" |  
"6075533" | "6084574"  
| "6097372" |  
"6124587" | "6128006"  
| "6163312" |  
"6166721" | "6179496"  
| "6181322" |  
"6188393" | "6191774"  
| "6198473" |  
"6211861" | "6219038"  
| "6225976" |  
"6225980" | "6243078"  
| "6256011" |  
"6262717" | "6266050"  
| "6297795" |  
"6323845" | "6340800"  
| "6373470" |  
"6377530" | "6429852"  
| "6587091" |  
"6636197" | "6639584"  
| "6650975" |  
"6677927" | "6686904"  
| "6703550" |  
"6724817" | "6738045"  
| "6791533" |  
"6795057" | "6844872"  
| "D349280" |  
"D362431" | "D382550"  
| "D385542" |  
"D402281" | "D442592"  
| "D443616" |  
"D454568").PN. OR  
("7046230").URPN.

S57	102	( "3157853"   "3220121"   "3497668"   "3517446"   "3902687"   "3903614"   "4160508"   "4236325"   "4513235"   "4581491"   "4599070"   "4708656"   "4713007"   "4891764"   "4930770"   "4934694"   "5019761"   "5022407"   "5035242"   "5038089"   "5078152"   "5186685"   "5212473"   "5240417"   "5271290"   "5275174"   "5299810"   "5309140"   "5334027"   "5414337"   "5466213"   "5547382"   "5745057"   "5766016"   "5785630"   "5821921"   "5841428"   "6046726"   "6111577"   "6219035"   "6292174"   "6320487"   "6362814"   "6422941").PN. OR ("6636197").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/30 17:12
S58	25	( "5543591"   "5757368").PN. OR ("5903229").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/30 17:27
S59	322	( "1061578"   "20010011991"   "20010043545"   "20010050673"   "20010051046"   "20020027547"   "20020030665"   "20020033848"   "20020045960"   "20020071550"   "20020089545"   "20020118131"   "20020118169"   "20020154090"   "20020158844"   "20020164156"   "20020180701"   "20030002246"   "20030025679"   "20030028346"   "20030043121"   "20030043174"	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/30 17:45



"20030050092" |  
"20030076301" |  
"20030076303" |  
"20030076306" |  
"20030091377" |  
"20030095095" |  
"20030095096" |  
"20030098851" |  
"20030184517" |  
"20030206202" |  
"20040156192" |  
"20040215986" |  
"20040224638" |  
"20040239622" |  
"20040252109" |  
"20040253989" |  
"20040263388" |  
"20040267874" |  
"20050030048" |  
"20050052425" |  
"200500204309" |  
"20060026521" |  
"20060097991" |  
"20060181517" |  
"20060197750" |  
"20060232557" |  
"20060250377" |  
"20060274905" |  
"20070013671" |  
"20070052044" |  
"20070052691" |  
"20070080936" |  
"20070080938" |  
"20070083822" |  
"20070085841" |  
"20070152975" |  
"20070152977" |  
"20070152983" |  
"20070242057" |  
"20070273671" |  
"20070276525" |  
"20070279394" |  
"20080006453" |  
"20080006454" |  
"20080007533" |  
"20080007539" |  
"20080012837" |  
"20080018615" |  
"20080018616" |  
"20080018617" |  
"20080036734" |  
"20080087476" |  
"20080088582" |  
"20080088596" |  
"20080088597" |  
"20080088600" |  
"20080111795" |

"2798907" | "2903229"  
| "2945111" |  
"3005055" | "3965399"  
| "4103252" |  
"4110749" | "4115670"  
| "4121204" |  
"4129747" | "4158216"  
| "4242676" |  
"4246452" | "4264903"  
| "4293734" |  
"4380007" | "4380040"  
| "4475008" |  
"4570149" |  
"4587378").PN. OR  
("4644100" |  
"4719524" | "4734034"  
| "4736191" |  
"4739191" | "4739299"  
| "4752655" |  
"4755765" | "4764717"  
| "4798919" |  
"4810992" | "4831359"  
| "4849852" |  
"4856993" | "4866602"  
| "4876524" |  
"4897511" | "4914624"  
| "4917516" |  
"4951036" | "4976435"  
| "4990900" |  
"5008497" | "5036321"  
| "5053757" |  
"5125077" | "5159159"  
| "5179648" |  
"5186646" | "5192082"  
| "5231326" |  
"5237311" | "5278362"  
| "5305017" |  
"5313027" | "5339213"  
| "5367199" |  
"5374787" | "5404152"  
| "5408621" |  
"5414445" | "5416498"  
| "5424756" |  
"5432531" | "5438331"  
| "5450075" |  
"5453761" | "5473343"  
| "5473344" |  
"5479192" | "5495566"  
| "5508703" |  
"5543588" | "5555004"  
| "5559301" |  
"5559943" | "5561445"  
| "5564112" |  
"5565887" | "5578817"  
| "5581670" |  
"5585823" | "5589893"  
| "5596347" |

"5598183"	"5611040"
"5611060"	
"5613137"	"5617114"
"5627531"	
"5632679"	"5640258"
"5657012"	
"5661632"	"5689285"
"5726687"	
"5729219"	"5730165"
"5748185"	
"5751274"	"5754890"
"5777605"	
"5786818"	"5790769"
"5805144"	
"5808602"	"5812498"
"5825353"	
"5828364"	"5838304"
"5841423"	
"5850213"	"5856822"
"5859629"	
"5875311"	"5883619"
"5889236"	
"5889511"	"5894117"
"5903229"	
"5907152"	"5907318"
"5909211"	
"5914706"	"5923388"
"5943044"	
"5956019"	"5959611"
"5964661"	
"5973668"	"6000000"
"6002389"	
"6005299"	"6025832"
"6031518"	
"6034672"	"6057829"
"6075533"	
"6084574"	"6097372"
"6122526"	
"6124587"	"6128006"
"6163312"	
"6166721")	PN. OR
("6179496"	
"6181322"	"6188393"
"6191774"	
"6198054"	"6198473"
"6211861"	
"6219038"	"6225976"
"6225980"	
"6226534"	"6227966"
"6243078"	
"6243080"	"6248017"
"6254477"	
"6256011"	"6262717"
"6262785"	
"6266050"	"6297795"
"6297811"	
"6314483"	"6323845"

"6340800" |  
"6357887" | "6373470"  
"6377530" |  
"6396523" | "6424338"  
"6429846" |  
"6429852" | "6473069"  
"6492979" |  
"6496181" | "6497412"  
"6587091" |  
"6606244" | "6636197"  
"6639584" |  
"6640250" | "6650975"  
"6664951" |  
"6677927" | "6686904"  
"6703550" |  
"6724817" | "6727889"  
"6738045" |  
"6750803" | "6781576"  
"6788288" |  
"6791533" | "6795057"  
"6844872" |  
"6886842" | "6894916"  
"6922189" |  
"6930494" | "6977808"  
"6978127" |  
"7006077" | "7069044"  
"7084856" |  
"7113196" | "7113520"  
"7119792" |  
"7215319" | "7233318"  
"7236154" |  
"D264969" | "D349280"  
"D362431" |  
"D382550" | "D385542"  
"D402281" |  
"D412940" | "D430169"  
"D437860" |  
"D442592" | "D443616"  
"D448810" |  
"D450713" | "D452250"  
"D454568" |  
"D455793" | "D468365"  
"D469109" |  
"D472245" | "D483809"  
"D489731" |  
"D497618" |  
"D506476").PN. OR  
("7495659").URPN.

S60	207	("1061578"   "20010011991"   "20010043545"   "20010050673"   "20010051046"   "20020030665"   "20020033848"   "20020045960"   "20020089545"   "20020118169"   "20020154090"   "20020158844"   "20020164156"   "20020180701"   "20030043121"   "20030050092"   "20030076301"   "20030076303"   "20030076306"   "20030098851"   "20030184517"   "20040239622"   "20040252109"   "2798907"   "2903229"   "2945111"   "3005055"   "3965399"   "4103252"   "4110749"   "4121204"   "4129747"   "4158216"   "4246452"   "4264903"   "4293734"   "4380007"   "4380040"   "4475008"   "4570149"   "4587378"   "4644100"   "4719524"   "4734034"   "4736191"   "4739299"   "4752655"   "4755765"   "4764717"   "4798919"   "4810992"   "4831359"   "4849852"   "4856993"   "4866602"   "4897511"   "4914624"   "4917516"   "4951036"   "4990900"   "5008497"   "5036321"   "5125077"   "5159159"   "5179648"   "5186646"   "5231326"   "5237311"   "5305017"   "5339213"   "5367199"   "5374787"   "5404152"   "5408621"	US-PGPUB; USPAT; USOOR	OR	ON	2009/07/30 17:47
-----	-----	--	---------------------------	----	----	---------------------

"5414445"	"5416498"
"5424756"	
"5432531"	"5438331"
"5450075"	
"5453761"	"5473343"
"5473344"	
"5479192"	"5495566"
"5508703"	
"5543588"	"5559301"
"5559943"	
"5561445"	"5564112"
"5565887"	
"5578817"	"5581670"
"5585823"	
"5589893"	"5596347"
"5598183"	
"5611040"	"5611060"
"5613137"	
"5617114"	"5627531"
"5632679"	
"5640258"	"5657012"
"5689285"	
"5726687"	"5729219"
"5730165"	
"5748185"	"5751274"
"5754890"	
"5777605"	"5786818"
"5790769"	
"5805144").PN. OR	
("5808602"	
"5825353"	"5828364"
"5838304"	
"5841423"	"5850213"
"5856822"	
"5859629"	"5875311"
"5883619"	
"5889236"	"5903229"
"5907152"	
"5907318"	"5909211"
"5914706"	
"5923388"	"5943044"
"5956019"	
"5959611"	"5973668"
"6000000"	
"6002389"	"6005299"
"6025832"	
"6031518"	"6034672"
"6057829"	
"6075533"	"6084574"
"6097372"	
"6124587"	"6128006"
"6163312"	
"6166721"	"6179496"
"6181322"	
"6188393"	"6191774"
"6198473"	
"6211861"	"6219038"

		"6225976"   "6225980"   "6226534"   "6243078"   "6256011"   "6262717"   "6266050"   "6297795"   "6323845"   "6340800"   "6373470"   "6377530"   "6429852"   "6473069"   "6492979"   "6496181"   "6497412"   "6587091"   "6636197"   "6639584"   "6650975"   "6677927"   "6686904"   "6703550"   "6724817"   "6727889"   "6738045"   "6750803"   "6791533"   "6795057"   "6844872"   "6978127"   "D349280"   "D362431"   "D382550"   "D385542"   "D402281"   "D442592"   "D443616"   "D454568").PN. OR ("7345671").URPN.				
S61	35	("2393781"   "2532228"   "3022878"   "3633724"   "4029915"   "4081068"   "4201489"   "4466046"   "4476356"   "4775255"   "4913573"   "4940346"   "4999795"   "5017030"   "5119078").PN. OR ("5408621").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/30 18:20
S62	211	("1061578"   "20010011991"   "20010043545"   "20010050673"   "20010051046"   "20020030665"   "20020033848"   "20020045960"   "20020089545"   "20020118169"   "20020154090"   "20020158844"   "20020164156"   "20020180701"   "20030043121"   "20030050092"	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/30 18:35

"20030076303" |  
"20030076306" |  
"20030095096" |  
"20030098851" |  
"20030184517" |  
"20040239622" |  
"20040252109" |  
"2798907" | "2903229"  
| "2945111" |  
"3005055" | "3965399"  
| "4103252" |  
"4110749" | "4121204"  
| "4129747" |  
"4158216" | "4246452"  
| "4264903" |  
"4293734" | "4380007"  
| "4380040" |  
"4475008" | "4570149"  
| "4587378" |  
"4644100" | "4719524"  
| "4734034" |  
"4736191" | "4739299"  
| "4752655" |  
"4755765" | "4764717"  
| "4798919" |  
"4810992" | "4831359"  
| "4849852" |  
"4856993" | "4866602"  
| "4897511" |  
"4914624" | "4917516"  
| "4951036" |  
"4990900" | "5008497"  
| "5036321" |  
"5125077" | "5159159"  
| "5179648" |  
"5186646" | "5231326"  
| "5237311" |  
"5305017" | "5339213"  
| "5367199" |  
"5374787" | "5404152"  
| "5408621" |  
"5414445" | "5416498"  
| "5424756" |  
"5432531" | "5438331"  
| "5450075" |  
"5453761" | "5473343"  
| "5473344" |  
"5479192" | "5495566"  
| "5508703" |  
"5543588" | "5559301"  
| "5559943" |  
"5561445" | "5564112"  
| "5565887" |  
"5578817" | "5581670"  
| "5585823" |  
"5589893" | "5596347"  
| "5598183" |



"5611040" | "5611060"  
| "5613137" |  
"5617114" | "5627531"  
| "5632679" |  
"5640258" | "5657012"  
| "5689285" |  
"5726687" | "5729219"  
| "5730165" |  
"5748185" | "5751274"  
| "5754890" |  
"5777605" | "5786818"  
| "5790769" |  
"5805144").PN. OR  
("5808602" |  
"5825353" | "5828364"  
| "5838304" |  
"5841423" | "5850213"  
| "5856822" |  
"5859629" | "5875311"  
| "5883619" |  
"5889236" | "5903229"  
| "5907152" |  
"5907318" | "5909211"  
| "5914706" |  
"5923388" | "5943044"  
| "5956019" |  
"5959611" | "5973668"  
| "6000000" |  
"6002389" | "6005299"  
| "6025832" |  
"6031518" | "6034672"  
| "6057829" |  
"6075533" | "6084574"  
| "6097372" |  
"6124587" | "6128006"  
| "6163312" |  
"6166721" | "6179496"  
| "6181322" |  
"6188393" | "6191774"  
| "6198473" |  
"6211861" | "6219038"  
| "6225976" |  
"6225980" | "6226534"  
| "6243078" |  
"6256011" | "6262717"  
| "6266050" |  
"6297795" | "6323845"  
| "6340800" |  
"6373470" | "6377530"  
| "6429852" |  
"6473069" | "6492979"  
| "6496181" |  
"6497412" | "6587091"  
| "6636197" |  
"6639584" | "6650975"  
| "6677927" |  
"6686904" | "6703550"

		"6724817"   "6727889"   "6738045"   "6750803"   "6791533"   "6795057"   "6844872"   "6978127"   "D349280"   "D362431"   "D382550"   "D385542"   "D402281"   "D442592"   "D443616"   "D454568").PN. OR ("7312785").URPN.				
S63	18	("20040224638"   "20040252109"   "20050052425"   "20050110768"   "4264903"   "4482883"   "4494105"   "4719524"   "4736191"   "4777328"   "5151677"   "5159159"   "5353004"   "5689285"   "5889236"   "5923388"   "5952912"   "7046230").PN. OR ("7554531").URPN.	US-PGPUB; USPAT; USOOR	OR	ON	2009/07/30 18:48
S64	173	("20020063688"   "20020191029"   "20030025679"   "20030062889"   "20030063428"   "20030080755"   "20030156098"   "20030160808"   "20030183864"   "20030183884"   "20030184315"   "20040169594"   "20040178989"   "20040178997"   "20040252109"   "20040263864"   "20050021269"   "20050024341"   "20050052425"   "20050073302"   "20050073322"   "20050083110"   "20060032680"   "20060097991"   "20060113974"   "20060164142"   "20060273804"   "4264903"   "4283713"   "4438404"	US-PGPUB; USPAT; USOOR	OR	ON	2009/07/30 18:56

"4475151"	"4497575"
"4736097"	
"4736191"	"4773024"
"4802103"	
"4876534"	"4879461"
"4935702"	
"4953928"	"4962342"
"5049758"	
"5055827"	"5059920"
"5068622"	
"5073759"	"5083044"
"5095284"	
"5097305"	"5107149"
"5109261"	
"5119038"	"5120996"
"5122800"	
"5126685"	"5146106"
"5160899"	
"5165054"	"5166562"
"5204549"	
"5243554"	"5248873"
"5260592"	
"5270963"	"5276407"
"5289023"	
"5303329"	"5305017"
"5324958"	
"5331215"	"5336936"
"5339213"	
"5349303"	"5374787"
"5381515"	
"5384467"	"5408194"
"5488204"	
"5495077"	"5541878"
"5543588"	
"5543590"	"5543591"
"5555907"	
"5565658"	"5566702"
"5629891"	
"5648642"	"5682032"
"5730165"	
"5757368"	"5763909"
"5767457"	
"5796183"	"5812698"
"5841078"	
"5844265"	"5854625"
"5861583"	
"5861875"	"5864242"
"5864392"	
"5880411"	"5889236"
"5914465"	
"5914708"	"5920310"
"5926566"	
"5942733"	"5943052"
"5969513"	
"6023422"	"6028271"
"6028959"	
"6097432"	

		"6148104").PN. OR ("6185450"   "6188228"   "6188391"   "6222528"   "6239389"   "6249447"   "6262717"   "6280391"   "6288707"   "6304014"   "6320184"   "6323846"   "6326859"   "6377009"   "6380929"   "6380931"   "6414671"   "6430305"   "6441073"   "6452514"   "6457355"   "6466036"   "6473069"   "6489899"   "6498720"   "6499359"   "6522128"   "6523416"   "6534970"   "6535200"   "6570557"   "6587093"   "6610936"   "6624640"   "6639586"   "6642857"   "6649924"   "6667740"   "6673308"   "6677932"   "6680731"   "6683462"   "6705511"   "6714817"   "6730863"   "6750852"   "6788221"   "6798218"   "6809275"   "6856433"   "6873203"   "6888538"   "6893724"   "6969978"   "6975123"   "7046230"   "7119550").PN. OR ("7253643").URPN.				
S65	55	("3198937"   "3760392"   "4007454"   "4058765"   "4087625"   "4103252"   "4129747"   "4177421").PN. OR ("4264903").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/30 19:16

S66	17	("20040224638"   "20040252109"   "20050052425"   "20050110768"   "4264903"   "4482883"   "4494105"   "4719524"   "4736191"   "4777328"   "5151677"   "5159159"   "5353004"   "5889236"   "5923388"   "5952912"   "7046230").PN. OR ("7310089").URPN.	US-PGPUB; USPAT; USOOR	OR	ON	2009/07/30 19:18
S67	5281	345/173.cds.	US-PGPUB; USPAT	OR	ON	2009/08/07 16:26
S68	1566844	(rotate or rotating or rotational) or (directional or circular) and S67	US-PGPUB; USPAT	OR	ON	2009/08/07 16:27
S69	1810	((rotate or rotating or rotational) or (directional or circular)) and S67	US-PGPUB; USPAT	OR	ON	2009/08/07 16:27
S70	420	((((rotate or rotating or rotational) or (directional or circular)) with input) and S67	US-PGPUB; USPAT	OR	ON	2009/08/07 16:28
S71	687	((((rotate or rotating or rotational) or (directional or circular)) same input) and S67	US-PGPUB; USPAT	OR	ON	2009/08/07 16:28
S72	267	S71 not S70	US-PGPUB; USPAT	OR	ON	2009/08/07 16:28
S73	11	("20020109580"   "20020109677"   "20050151623"   "4139837"   "4644352"   "4786900"   "6193152"   "6282152"   "6359838"   "6720860").PN. OR ("7286063").URPN.	US-PGPUB; USPAT; USOOR	OR	ON	2009/08/07 16:40
S74	1	"10903964".apnr.	US-PGPUB; USPAT	OR	ON	2009/08/07 17:00
S75	1	"10611814".apnr.	US-PGPUB; USPAT	OR	ON	2009/08/07 17:04

S76	17	("4303856"   "4644326"   "4787040"   "4853888"   "5412189"   "5483261"   "5511148"   "5572239"   "5859631"   "5936613"   "5977867"   "6054990"   "6061177"   "6154201"   "6326956"   "6414672"   "6441807").PN. OR ("7489303").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/08/07 17:05
S77	4	("6433771"   "6636197"   "6918313"   "7046230").PN. OR ("7420547").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/08/24 18:29
S78	4074	(input near3 unit) same (counting or increment)	US-PGPUB; USPAT	OR	ON	2009/09/18 08:06
S79	468	S78 and rotational	US-PGPUB; USPAT	OR	ON	2009/09/18 08:06
S80	234	S78 and "345".clas.	US-PGPUB; USPAT	OR	ON	2009/09/18 08:07
S81	1	"6794982".pn.	US-PGPUB; USPAT	OR	ON	2009/09/18 08:45
S82	1	"5555004".pn.	US-PGPUB; USPAT	OR	ON	2009/09/18 08:47
S83	1	"20030085793".pn.	US-PGPUB; USPAT	OR	ON	2009/09/18 08:52
S84	102	715/834.ccls.	US-PGPUB; USPAT	OR	ON	2009/09/18 09:33
S85	31	("20020015024"   "20020030665"   "20020072394"   "20030076301"   "20030104839"   "20030162569"   "20040009788"   "20040055446"   "20040165924"   "20040185912"   "20040218963"   "20050195159"   "20050253818"   "20050283724"   "20070046641"   "20070106732"   "5748512"   "5801941"   "5963671"   "6011542"   "6323846"   "6359572"   "6407325"   "6570557"   "6573844"	US-PGPUB; USPAT; USOCR	OR	ON	2009/09/18 09:38

		"6597345"   "6654733"   "6677932"   "7107147"   "7149550"   "7286115").PN. OR ("7574672").URPN.				
S86	10	("20030112279"   "20030197740"   "20040100479"   "20040221243"   "6236398"   "6252596"   "6448987"   "7036091"   "7091998"   "7093201").PN. OR ("7418671").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/09/18 09:39
S87	21	("20010045965"   "20020186251"   "20030043198"   "4755809"   "5615325"   "5825353"   "5854629"   "5940076"   "5958008"   "5986638"   "6005573"   "6028600"   "6064383"   "6104400"   "6188406"   "6219053"   "6993727").PN. OR ("7093201").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/09/18 09:42
S88	13	("20050050476"   "5485197"   "5798760"   "5940076"   "6005601"   "6144378"   "6448987"   "6819344"   "6920445").PN. OR ("7036091").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/09/18 09:43
S89	9	("20050050476"   "5485197"   "5798760"   "5940076"   "6005601"   "6144378"   "6448987"   "6819344"   "6920445").PN. OR ("7036090").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/09/18 09:44
S90	1	(annular near3 array) same folders	US-PGPUB; USPAT	OR	ON	2009/09/18 10:35
S91	1	"20020101441".pn.	US-PGPUB; USPAT	OR	ON	2009/09/18 11:26
S92	4	2007/0120838.pn. "20060164403".pn. "7061720".pn. "20040058730".pn. "7310084".pn.	US-PGPUB; USPAT	OR	ON	2010/03/27 16:35

S93	0	2007/0120838.pn.	US-PGPUB; USPAT	OR	ON	2010/03/27 16:36
S94	1	"20070120838".pn.	US-PGPUB; USPAT	OR	ON	2010/03/27 16:36
S95	17079	(rotational or circular or directional) same (input near3 (device or unit))	US-PGPUB; USPAT	OR	ON	2010/03/27 18:00
S96	3517	S95 and (angular)	US-PGPUB; USPAT	OR	ON	2010/03/27 18:00
S97	578	S95 same (angular)	US-PGPUB; USPAT	OR	ON	2010/03/27 18:00
S98	18	S95 same (angular near3 change)	US-PGPUB; USPAT	OR	ON	2010/03/27 18:01
S99	55	S95 same (angular same change)	US-PGPUB; USPAT	OR	ON	2010/03/27 18:02
S100	13991	345/156-157,173- 178,184.cds.	US-PGPUB; USPAT	OR	ON	2010/03/27 18:05
S101	21758	345/156-184.cds.	US-PGPUB; USPAT	OR	ON	2010/03/27 18:05
S102	6381	S101 and ((angular or input) same change)	US-PGPUB; USPAT	OR	ON	2010/03/27 18:06
S103	517	S101 and ((angular) same change)	US-PGPUB; USPAT	OR	ON	2010/03/27 18:06
S104	137	("4725694"   "5050105"   "5148155"   "5258748"   "5276794"   "5347295"   "5603053").PN. OR ("6094197").URPN.	US-PGPUB; USPAT; USOOR	OR	ON	2010/03/27 18:24
S105	11	("4933670"   "5202901"   "5218672"   "5453758"   "5477237"   "5530455"   "5627531").PN. OR ("5973669").URPN.	US-PGPUB; USPAT; USOOR	OR	ON	2010/03/27 18:26
S106	2	"5564005".pn. "5545857".pn.	US-PGPUB; USPAT	OR	ON	2010/03/27 20:24
S107	1	"20070273649".pn. and (computer-readable near3 medium)	US-PGPUB; USPAT	OR	ON	2010/09/30 08:22
S108	783	(dual near3 mode) near3 switches	US-PGPUB; USPAT	OR	ON	2010/09/30 09:33
S109	783	(dual near3 mode) near3 switch	US-PGPUB; USPAT	OR	ON	2010/09/30 09:33
S110	141	S109 and (user near3 (interface or input))	US-PGPUB; USPAT	OR	ON	2010/09/30 09:34
S111	921	200/6R.cds.	US-PGPUB; USPAT	OR	ON	2010/09/30 09:38



S112	584	200/11R.cds.	US-PGPUB; USPAT	OR	ON	2010/09/30 09:38
------	-----	--------------	--------------------	----	----	---------------------

**EAST Search History (Interference)**

< This search history is empty >

**10/ 1/ 2010 7:24:54 AM**

**C:\ Documents and Settings\ sbray\ My Documents\ EAST\ Workspaces  
 \ 10566043\_ CircularI nputUnit.wsp**